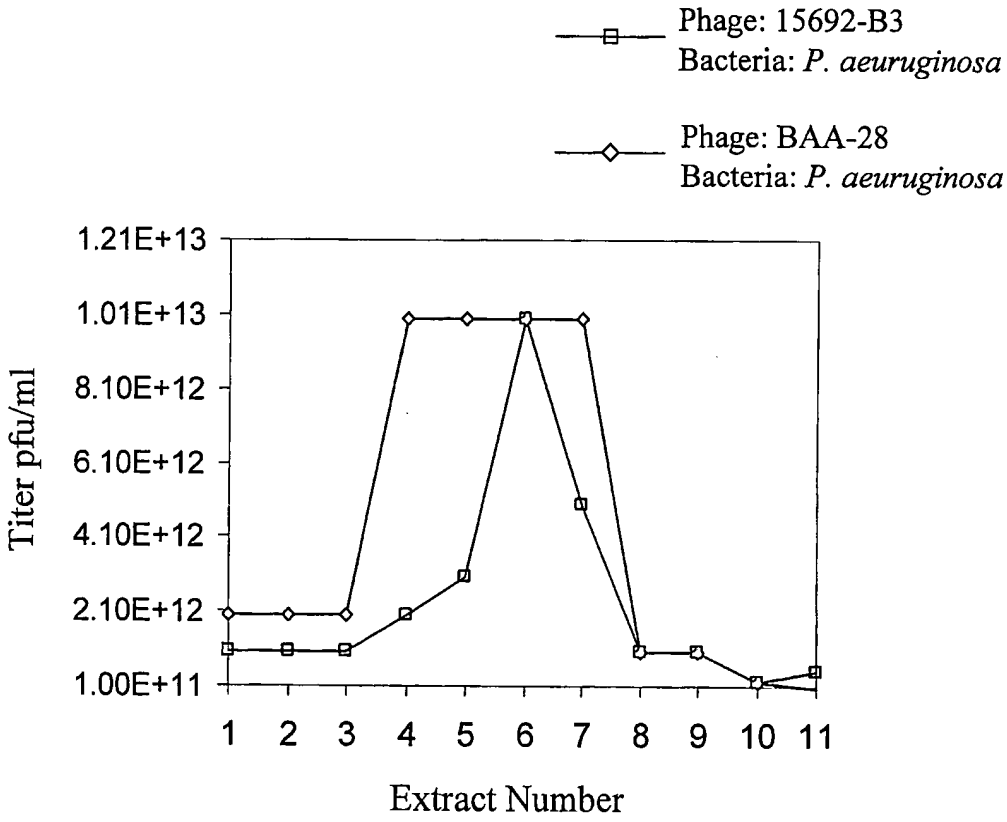
Phage: 15692-B3
Bacteria: P. aeuruginosa
Phage: BAA-28
Bacteria: P. aeuruginosa
1.21E+13
1.01E+13
8.10E+12
6.10E+12
4.10E+12
2.10E+12
1.00E+11
Titer pfu/ml
1 2 3 4 5 6 7 8 9 10 11
Extract Number

FIG. 1

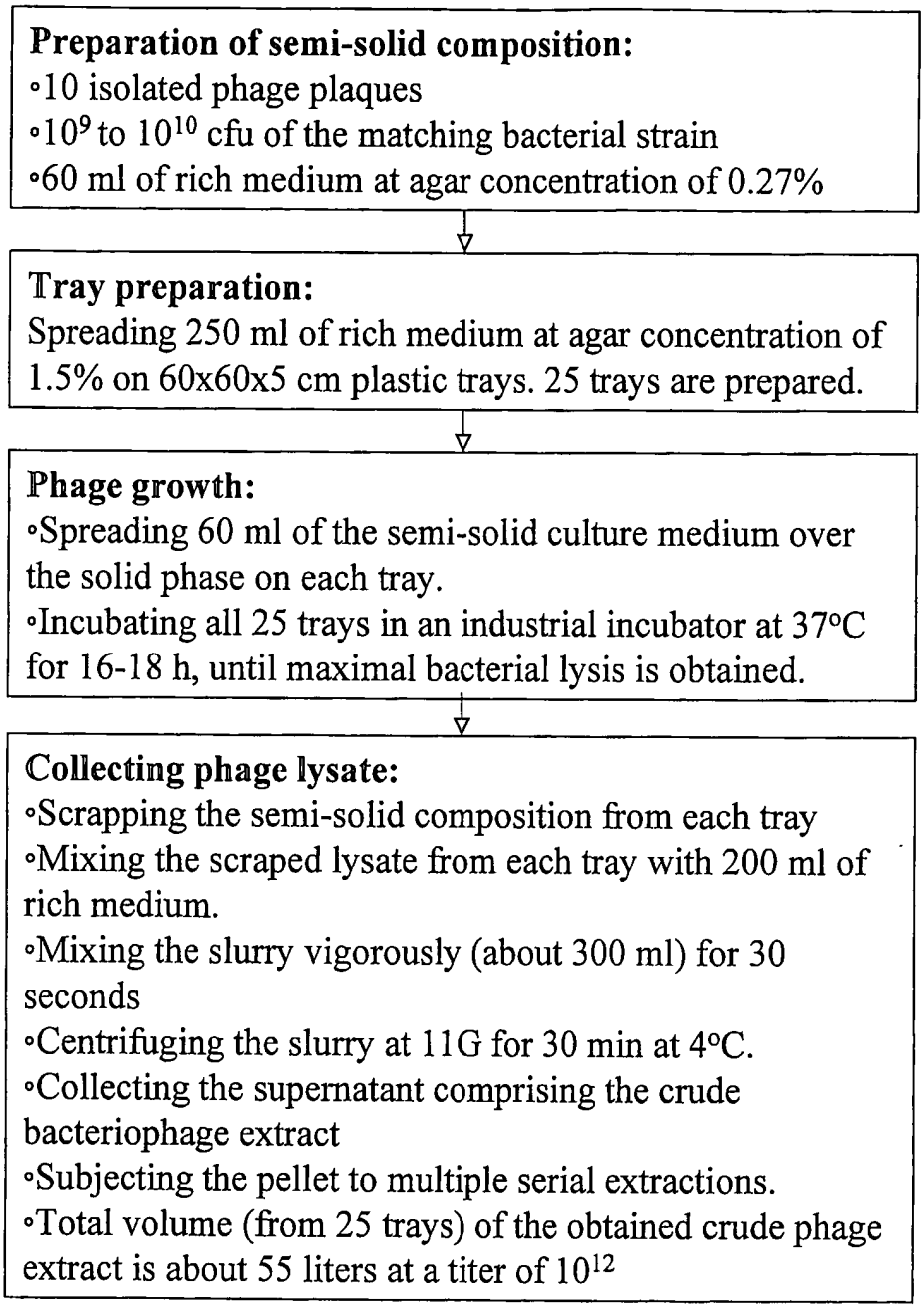
Preparation of semi-solid composition:
•10 isolated phage plaques
•$10^9$ to $10^{10}$ cfu of the matching bacterial strain
•60 ml of rich medium at agar concentration of 0.27%
Tray preparation:
Spreading 250 ml of rich medium at agar concentration of 1.5% on 60x60x5 cm plastic trays. 25 trays are prepared.
Phage growth:
•Spreading 60 ml of the semi-solid culture medium over the solid phase on each tray.
•Incubating all 25 trays in an industrial incubator at 37°C for 16-18 h, until maximal bacterial lysis is obtained.
Collecting phage lysate:
•Scrapping the semi-solid composition from each tray
•Mixing the scraped lysate from each tray with 200 ml of rich medium.
•Mixing the slurry vigorously (about 300 ml) for 30 seconds
•Centrifuging the slurry at 11G for 30 min at 4°C.
•Collecting the supernatant comprising the crude bacteriophage extract
•Subjecting the pellet to multiple serial extractions.
•Total volume (from 25 trays) of the obtained crude phage extract is about 55 liters at a titer of $10^{12}$

FIG. 2A

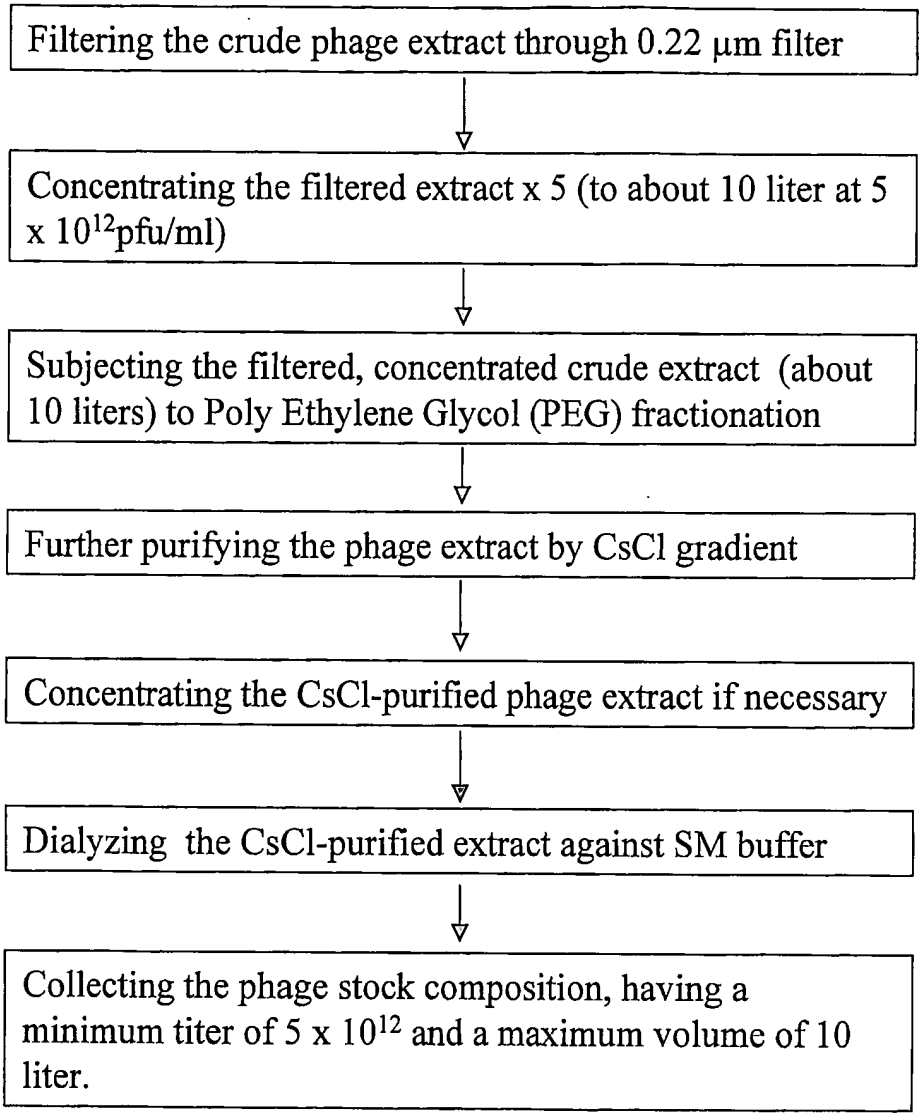
Filtering the crude phage extract through 0.22 μm filter
Concentrating the filtered extract x 5 (to about 10 liter at 5 x $10^{12}$pfu/ml)
Subjecting the filtered, concentrated crude extract (about 10 liters) to Poly Ethylene Glycol (PEG) fractionation
Further purifying the phage extract by CsCl gradient
Concentrating the CsCl-purified phage extract if necessary
Dialyzing the CsCl-purified extract against SM buffer
Collecting the phage stock composition, having a minimum titer of 5 x $10^{12}$ and a maximum volume of 10 liter.

FIG. 2B